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Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) A photovoltaic cell, comprising:

a first electrode;

a mesh electrode; and

a photoactive layer between the first and mesh electrodes, the photoactive layer

comprising:

an electron acceptor material comprising a fullerene; and an electron donor material comprising a polymer,

wherein the mesh electrode is in contact with the photoactive layer.

- (Original) The photovoltaic cell of claim 1, wherein the mesh electrode is a cathode.
- (Original) The photovoltaic cell of claim 1, wherein the mesh electrode is an anode.
- (Previously Presented) The photovoltaic cell of claim 1, wherein the mesh electrode comprises an electrically conductive material.
- (Original) The photovoltaic cell of claim 4, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.

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 (Original) The photovoltaic cell of claim 1, wherein the mesh electrode comprises wires.

- (Original) The photovoltaic cell of claim 6, wherein the wires comprise an electrically conductive material.
- (Original) The photovoltaic cell of claim 7, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Original) The photovoltaic cell of claim 6, wherein the wires comprise a coating including an electrically conductive material.
- (Original) The photovoltaic cell of claim 9, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Original) The photovoltaic cell of claim 1, wherein the mesh electrode comprises an expanded mesh.
- (Original) The photovoltaic cell of claim 1, wherein the mesh electrode comprises a woven mesh.
 - 13. (Cancelled).
- (Original) The photovoltaic cell of claim 1, wherein the electron acceptor material comprises a substituted fullerene.

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15. (Previously Presented) The photovoltaic cell of claim 1, wherein the polymer comprises a material selected from the group consisting of polythiophenes, polyphenylvinylenes, polyphenylvinylenes, polysilanes, polythienylvinylenes and polyisothianaphthalenes.

- (Previously Presented) The photovoltaic cell of claim 1, wherein the polymer comprises poly(3-hexylthiophene).
- (Previously Presented) The photovoltaic cell of claim 1, further comprising a hole blocking layer between the photoactive layer and the first electrode.
- (Original) The photovoltaic cell of claim 17, wherein the hole blocking layer comprises a material selected from the group consisting of LiF, metal oxides and combinations thereof.

19-22. (Cancelled).

- (Previously Presented) The photovoltaic cell of claim 1, further comprising a
 hole carrier layer between the photoactive layer and the first electrode.
- 24. (Original) The photovoltaic cell of claim 23, wherein the hole carrier layer comprises a material selected from the group consisting of polythiophenes, polyanilines, polyvinylcarbazoles, polyphenylenes, polyphenylvinylenes, polysilanes, polythienylenevinylenes, polyisothianaphthanenes and combinations thereof.
- (Original) The photovoltaic cell of claim 1, wherein the first electrode comprises a mesh electrode.

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26. (Previously Presented) A photovoltaic cell, comprising:

a first electrode:

a mesh electrode:

a photoactive layer between the first and mesh electrodes, the photoactive layer comprising:

an electron acceptor material comprising a fullerene; and an electron donor material comprising a polymer;

a hole blocking layer between the first electrode and the photoactive layer; and

a hole carrier layer between the mesh electrode and the photoactive layer,

wherein the mesh electrode is in contact with the hole carrier layer.

- (Original) The photovoltaic cell of claim 26, wherein the mesh comprises an
 electrically conductive material.
- (Original) The photovoltaic cell of claim 27, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- 29. (Original) The photovoltaic cell of claim 26, wherein the hole carrier layer comprises a material selected from the group consisting of polythiophenes, polyanilines, polyvinylcarbazoles, polyphenylenes, polyphenylvinylenes, polysilanes, polythienylenevinylenes, polyisothianaphthanenes and combinations thereof.
- (Original) The photovoltaic cell of claim 29, wherein the hole blocking layer comprises a material selected from the group consisting of LiF, metal oxides and combinations thereof.
- (Original) The photovoltaic cell of claim 26, wherein the hole blocking layer comprises a material selected from the group consisting of LiF, metal oxides and combinations thereof.

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 (Original) The photovoltaic cell of claim 26, wherein the mesh electrode comprises wires.

- 33. (Original) The photovoltaic cell of claim 32, wherein the wires comprise an electrically conductive material.
- (Original) The photovoltaic cell of claim 33, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Original) The photovoltaic cell of claim 32, wherein the wires comprise a coating including an electrically conductive material.
- 36. (Original) The photovoltaic cell of claim 35, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Original) The photovoltaic cell of claim 26, wherein the mesh electrode comprises an expanded mesh.
- (Original) The photovoltaic cell of claim 26, wherein the mesh electrode comprises a woven mesh.
- (Original) The photovoltaic cell of claim 26, wherein the first electrode comprises a mesh electrode.
- 40. (Original) The photovoltaic cell of claim 26, further comprising a substrate supporting the mesh electrode.

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41. (Original) The photovoltaic cell of claim 40, further comprising an adhesive material between the substrate and the hole carrier laver.

- 42. (Original) The photovoltaic cell of claim 40, wherein the hole carrier layer is in contact with the substrate.
- (Original) A photovoltaic system comprising a plurality of photovoltaic cells of claim 1, at least some of the plurality of photovoltaic cells being electrically connected.
- (Original) The photovoltaic system of claim 43, wherein all of the plurality of photovoltaic cells are electrically connected.
- 45. (Original) The photovoltaic system of claim 43, wherein at least some of the electrically connected photovoltaic cells are electrically connected in parallel.
- 46. (Original) The photovoltaic system of claim 43, wherein at least some of the electrically connected photovoltaic cells are electrically connected in series.
- (Previously Presented) The photovoltaic system of claim 43, wherein at least some of the electrically connected photovoltaic cells are electrically connected in to a load.
- (Previously Presented) A photovoltaic system comprising a plurality of photovoltaic cells of claim 26, at least some of the plurality of photovoltaic cells being electrically connected.
- (Original) The photovoltaic system of claim 48, wherein all of the plurality of photovoltaic cells are electrically connected.
- (Original) The photovoltaic system of claim 48, wherein at least some of the electrically connected photovoltaic cells are electrically connected in parallel.

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 (Original) The photovoltaic system of claim 48, wherein at least some of the electrically connected photovoltaic cells are electrically connected in series.

- (Previously Presented) The photovoltaic system of claim 48, wherein at least some of the electrically connected photovoltaic cells are electrically connected to a load,
 - 53. (Previously Presented) A photovoltaic cell, comprising:
 - a first electrode:
 - a mesh electrode:
- a photoactive layer between the first and mesh electrodes, the photoactive layer comprising:

an electron acceptor material comprising a fullerene; and an electron donor material comprising a polymer:

- a hole carrier layer between the first electrode and the photoactive layer; and a hole blocking layer between the mesh electrode and the photoactive layer, wherein the mesh electrode is in contact with the hole blocking layer.
- (Previously Presented) The photovoltaic cell of claim 53, wherein the mesh comprises an electrically conductive material.
- 55. (Previously Presented) The photovoltaic cell of claim 54, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- 56. (Previously Presented) The photovoltaic cell of claim 53, wherein the hole carrier layer comprises a material selected from the group consisting of polythiophenes, polyanilines, polyvinylcarbazoles, polyphenylenes, polyphenylvinylenes, polysilanes, polythienylenevinylenes, polyisothianaphthanenes and combinations thereof.

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 (Previously Presented) The photovoltaic cell of claim 56, wherein the hole blocking layer comprises a material selected from the group consisting of LiF, metal oxides and combinations thereof

- (Previously Presented) The photovoltaic cell of claim 53, wherein the hole blocking layer comprises a material selected from the group consisting of LiF, metal oxides and combinations thereof.
- (Previously Presented) The photovoltaic cell of claim 53, wherein the mesh electrode comprises wires.
- (Previously Presented) The photovoltaic cell of claim 59, wherein the wires comprise an electrically conductive material.
- (Previously Presented) The photovoltaic cell of claim 60, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Previously Presented) The photovoltaic cell of claim 59, wherein the wires comprise a coating including an electrically conductive material.
- (Previously Presented) The photovoltaic cell of claim 62, wherein the electrically conductive material is selected from the group consisting of metals, alloys, polymers and combinations thereof.
- (Previously Presented) The photovoltaic cell of claim 53, wherein the mesh electrode comprises an expanded mesh.
- (Previously Presented) The photovoltaic cell of claim 53, wherein the mesh electrode comprises a woven mesh.

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 (Previously Presented) The photovoltaic cell of claim 53, wherein the first electrode comprises a mesh electrode.

- (Previously Presented) The photovoltaic cell of claim 53, further comprising a substrate supporting the mesh electrode.
- (Previously Presented) The photovoltaic cell of claim 67, further comprising an adhesive material between the substrate and the hole blocking layer.
- (Previously Presented) The photovoltaic cell of claim 67, wherein the hole blocking layer is in contact with the substrate.
- (Previously Presented) A photovoltaic system comprising a plurality of photovoltaic cells of claim 53, at least some of the plurality of photovoltaic cells being electrically connected.
- (Previously Presented) The photovoltaic system of claim 70, wherein all of the plurality of photovoltaic cells are electrically connected.
- (Previously Presented) The photovoltaic system of claim 70, wherein at least some of the electrically connected photovoltaic cells are electrically connected in parallel.
- 73. (Previously Presented) The photovoltaic system of claim 70, wherein at least some of the electrically connected photovoltaic cells are electrically connected in series.
- (Previously Presented) The photovoltaic system of claim 70, wherein at least some of the electrically connected photovoltaic cells are electrically connected a load.

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(Withdrawn) A method of preparing a photovoltaic cell, comprising:

supporting a mesh with a substrate, the mesh and the substrate forming at least a portion of a first electrode: and

supporting a photoactive layer with the mesh to provide a portion of the photovoltaic cell.

76. (Withdrawn) A method of preparing a module, comprising:

supporting a mesh with an advancing substrate, the mesh and the substrate forming at least a portion of each of a plurality of first electrodes; and

supporting a photoactive layer with the mesh to provide a portion of the module.

77. (Withdrawn) A method of preparing a photovoltaic cell, comprising:

supporting a mesh with a substrate, the mesh and the substrate forming at least a portion of a first electrode: and

supporting a photoactive layer with the mesh, the photoactive layer comprising an electron acceptor material and an electron donor material to provide a portion of the photovoltaic cell.

78. (Withdrawn) A method of preparing a module, comprising:

supporting a mesh with an advancing substrate, the mesh and the substrate forming at least a portion of each of a plurality of first electrodes; and

supporting a photoactive layer with the mesh, the photoactive layer comprising an electron acceptor material and an electron donor material to provide a portion of the module.

79. (Withdrawn) An article, comprising:

a first electrode;

a mesh electrode: and

an active layer between the first and mesh electrodes, the active layer comprising copper indium and gallium;

wherein the article is configured as a photovoltaic cell.

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80. (Withdrawn) An article, comprising:

a first electrode:

a mesh electrode; and

an active layer between the first and mesh electrodes, the active layer comprising amorphous silicon;

wherein the article is configured as a photovoltaic cell.

81. (Previously Presented) An article, comprising:

a first electrode:

a printed mesh electrode; and

a photoactive layer between the first and mesh electrodes, the photoactive layer

comprising:

an electron acceptor material comprising a fullerene; and an electron donor material comprising a polymer; wherein the article is configured as a photovoltaic cell.

82. (Previously Presented) The article of claim 81, wherein the printed mesh electrode has a maximum thickness of at most about 10 microns